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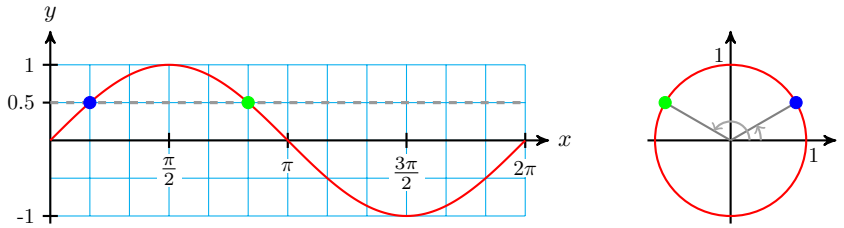
December 12, 2018

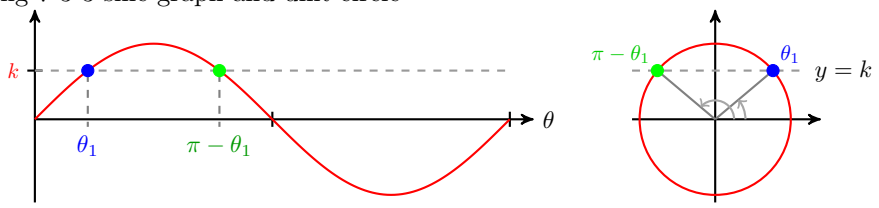
1 Section 7.3

fig-7-3-1 sine graph and unit circle



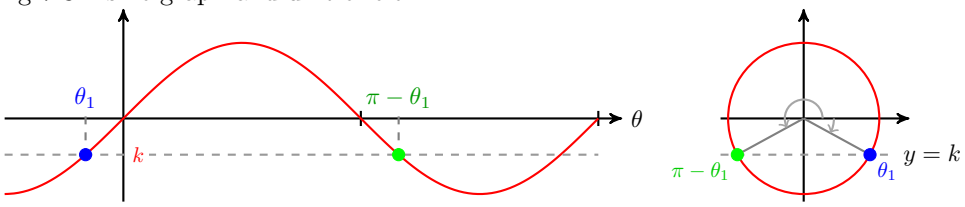
$y = \sin x$ The unit circle

fig-7-3-3 sine graph and unit circle



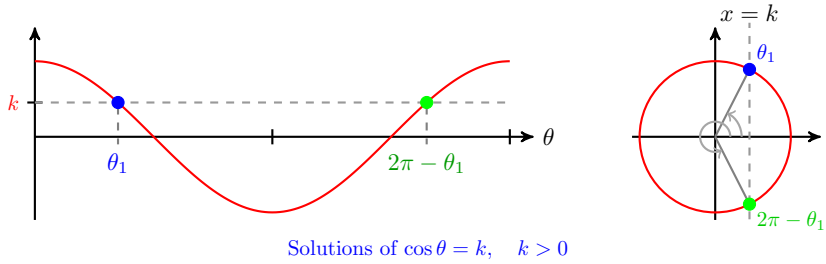
Solutions of $\sin\theta = k, \quad k > 0$

fig-7-3-4 sine graph and unit circle



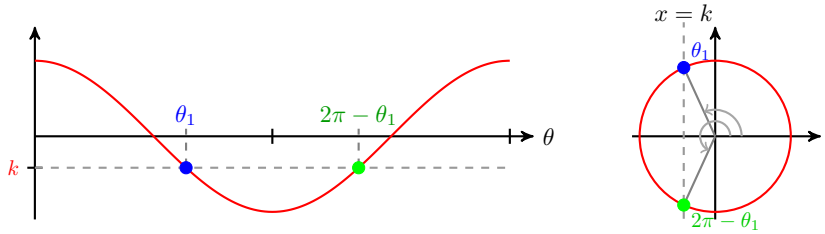
Solutions of $\sin\theta = k, \quad k < 0$

fig-7-3-5 cosine graph and unit circle



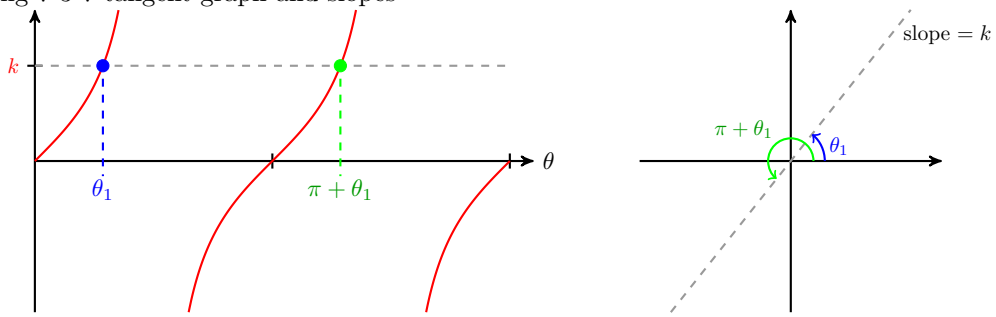
Solutions of $\cos\theta = k, \quad k > 0$

fig-7-3-6 cosine graph and unit circle



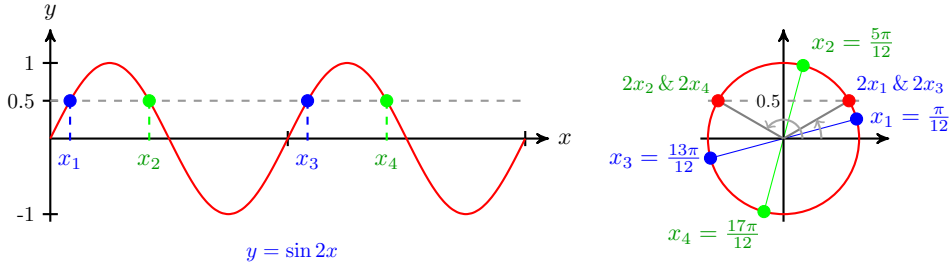
Solutions of $\cos\theta = k, \quad k < 0$

fig-7-3-7 tangent graph and slopes



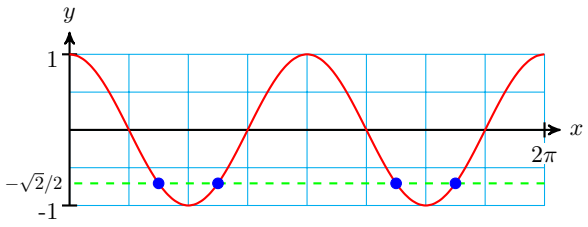
Solutions of $\tan\theta = k,$

fig-7-3-8 sin 2x graph and unit circle



$y = \sin 2x$

exer7-3-2ans a.k.a. ar7-3-2ans



exam7-3-3 tan 2t

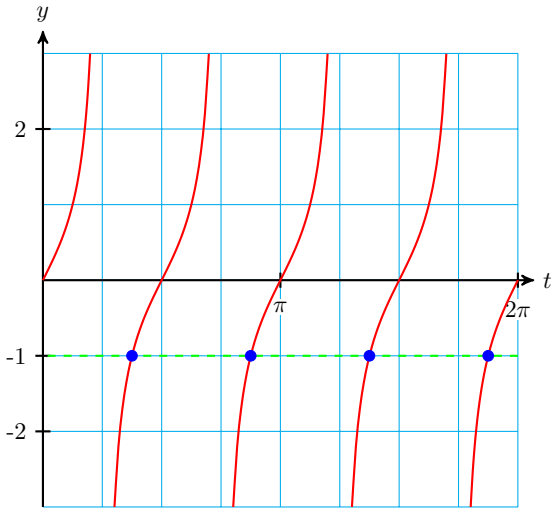
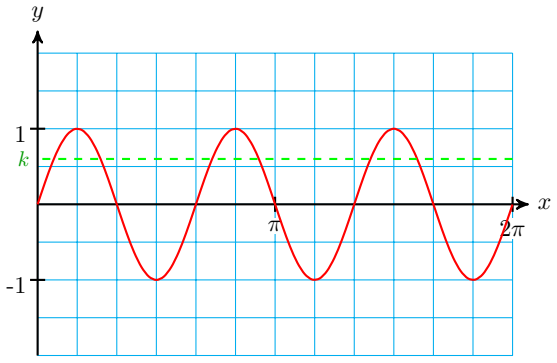
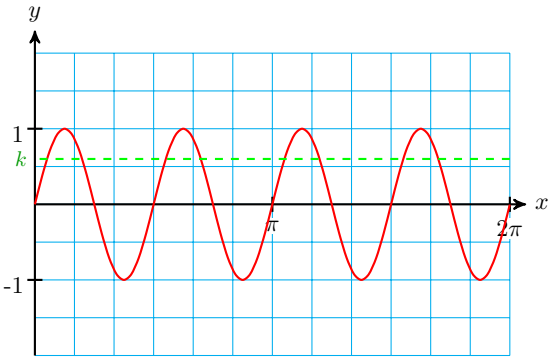


fig-7-3-9

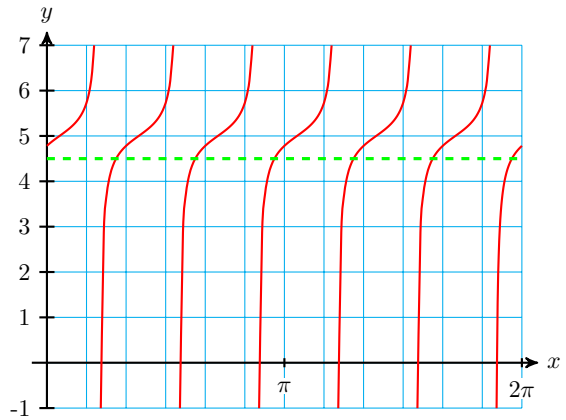


$y = \sin 3x$



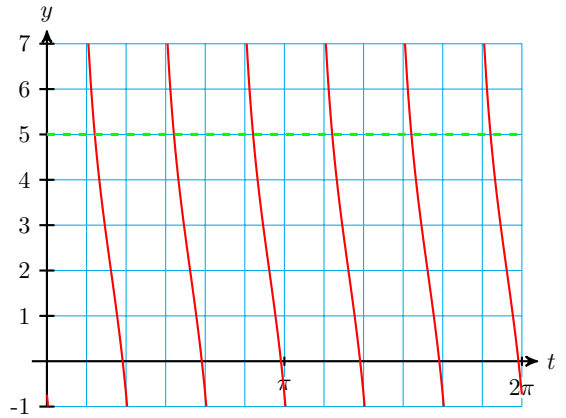
$y = \sin 4x$

exam7-3-6 5 + 0.4 tan (3x-0.5)

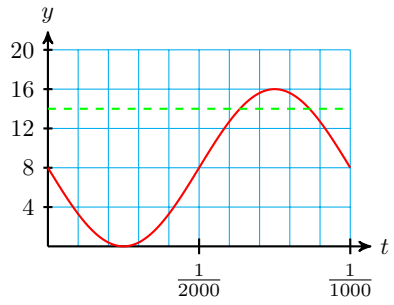


$f(x) = 5 + 0.4\tan(3x - 0.5)$

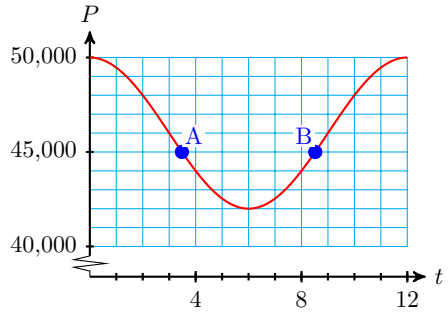
exer7-3-6ans a.k.a. ar7-3-6ans 2-4 tan 3(x+0.2)



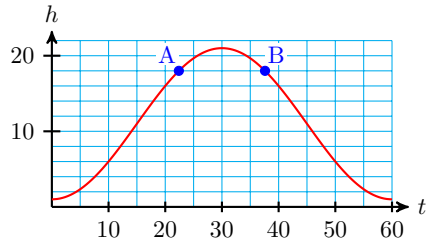
exam7-3-7 -8sin(2000 pi t) +8



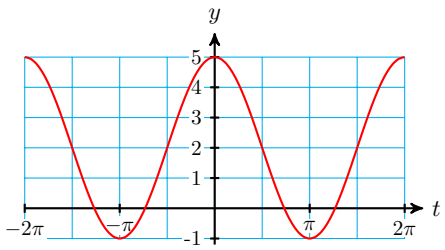
hp7-3-43ans $P(t) = 4000\cos(\frac{\pi}{6}t) + 46,000$



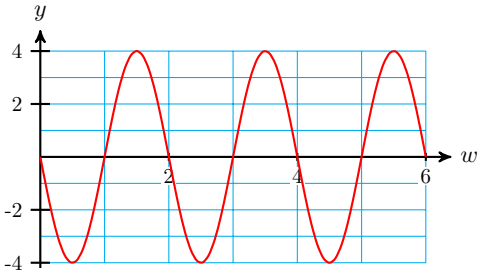
hp7-3-45ans $h(t) = 11 - 10\cos(\frac{\pi}{30}t)$



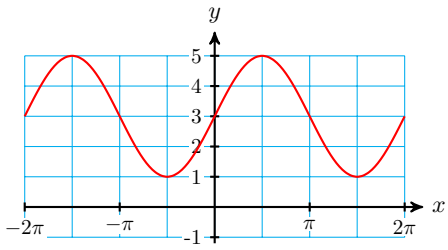
hp7-sum-5ans $y = 2 + 3\cos t$



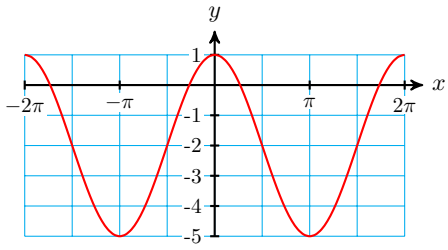
hp7-sum-7ans $y = -4\sin \pi w$



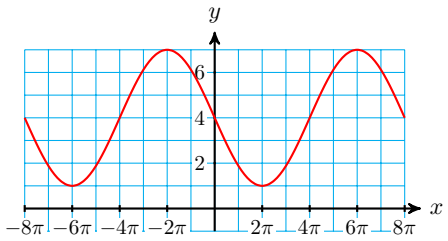
hp7-sum-9 $y = 3 + 2\sin x$



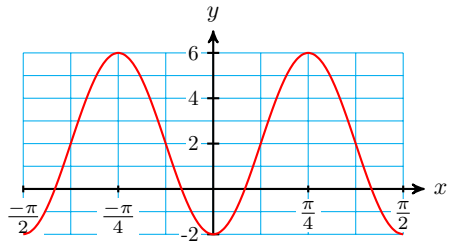
hp7-sum-10 $y = -2 + 3\cos x$



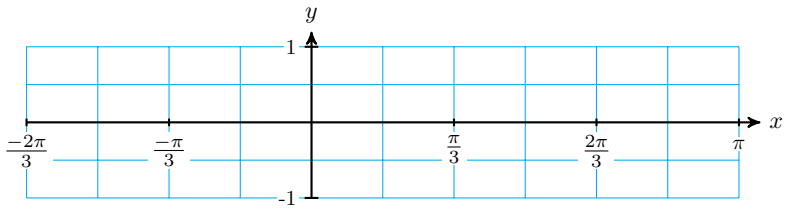
hp7-sum-11 $y = 4 - 3\sin\frac{x}{4}$



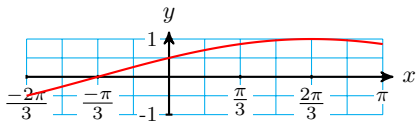
hp7-sum-12 $y = 2 - 4\cos 8x$



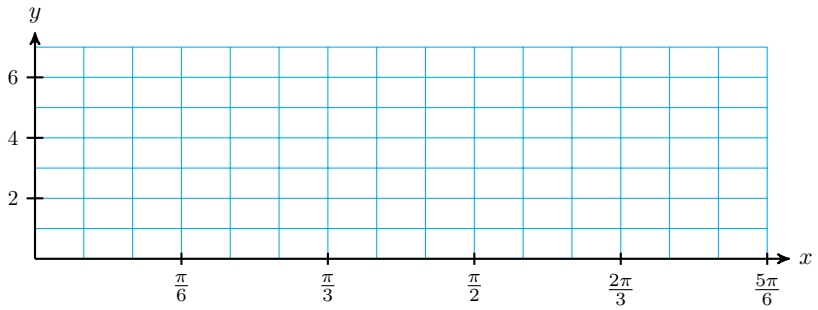
hp7-sum-13 grid



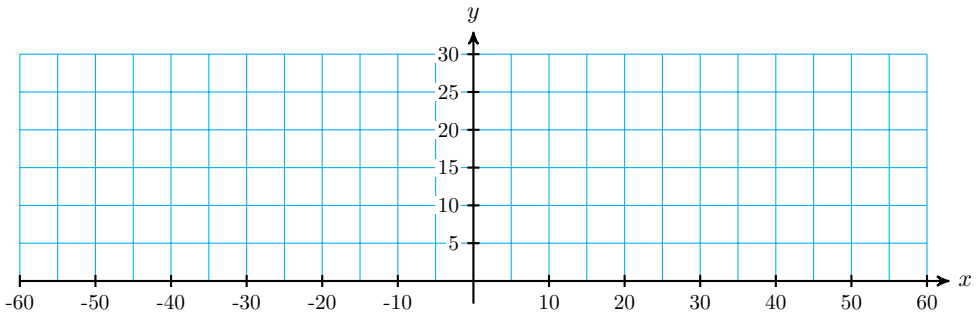
hp7-sum-13ans $y = \sin\left(\frac{x}{2} + \frac{\pi}{6}\right)$



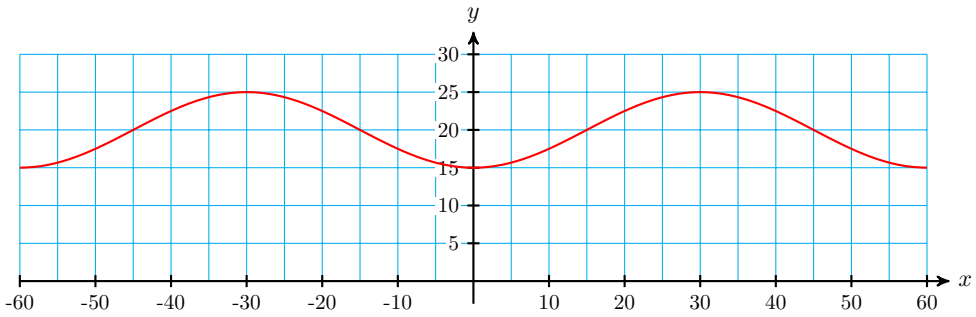
hp7-sum-14 grid



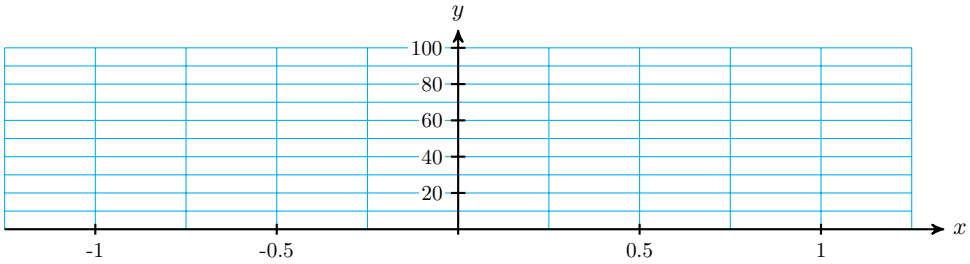
hp7-sum-15 grid



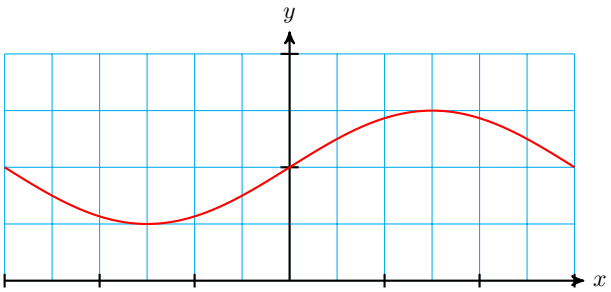
hp7-sum-15and $20 - 5\cos\left(\frac{\pi}{30}x\right)$



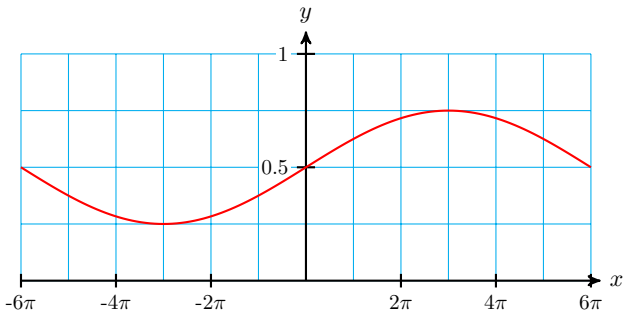
hp7-sum-16 grid



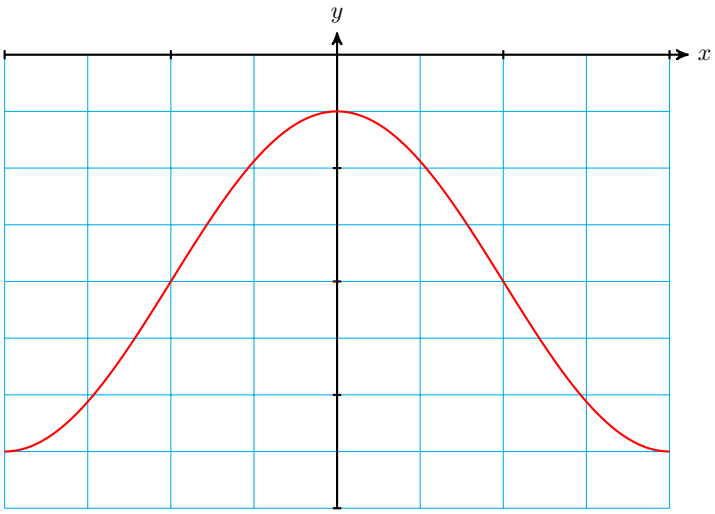
hp7-sum-17 $\frac{1}{4}\sin(\frac{x}{6})+\frac{1}{2}$



hp7-sum-17ans $\frac{1}{4}\sin(\frac{x}{6})+\frac{1}{2}$



hp7-sum-18 $\frac{3}{2}\cos(\frac{x}{2}) - 2$



hp7-sum-19ans $y = -5\cos(2x - 0.5) + 3$